

#2

PATENT

JC675 U.S. PTO
10/029329
12/21/01

~~~~~

~~~~~

~~~~~

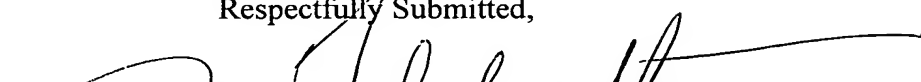
~~~~~

~~~~~

~~~~~

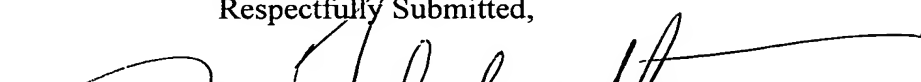
~~~~~

Respectfully Submitted,



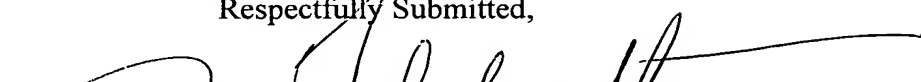
John F. Sieberth  
Reg. No. 17,704  
Associate Attorney at Law

Respectfully Submitted,



John F. Sieberth  
Reg. No. 17,704  
Associate Attorney at Law

Respectfully Submitted,



John F. Sieberth  
Reg. No. 17,704  
Associate Attorney at Law

FORM PTO-1449 (Modified)  
LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT  
(Use several sheets if necessary)  
(Page 1 of 3)

ATTY. DOCKET NO.: SU-7222-B

SERIAL NO.: —

APPLICANT: JONATHAN N. HOWARTH

FILING DATE: HEREWITH

GROUP:

jd679 U.S. PTO  
10/029329  
12/21/01

REFERENCE DESIGNATION

U. S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT NUMBER |   |   |   |   |   |   | DATE  | NAME            | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|----|-----------------|---|---|---|---|---|---|-------|-----------------|-------|----------|-------------------------------|
|                     | AB | 4               | 6 | 5 | 9 | 3 | 5 | 9 | 4/87  | Lorenz et al.   | 71    | 67       |                               |
|                     | AC | 4               | 6 | 8 | 1 | 9 | 4 | 8 | 7/87  | Worley          | 548   | 319      |                               |
|                     | AD | 4               | 7 | 6 | 7 | 5 | 4 | 2 | 8/88  | Worley          | 210   | 755      |                               |
|                     | AE | 5               | 0 | 5 | 7 | 6 | 1 | 2 | 10/91 | Worley et al.   | 548   | 301      |                               |
|                     | AF | 5               | 2 | 0 | 8 | 0 | 5 | 7 | 5/93  | Greenley et al. | 426   | 332      |                               |
|                     | AG | 5               | 2 | 8 | 6 | 4 | 7 | 9 | 2/94  | Garlich et al.  | 424   | 54       |                               |
|                     | AH | 5               | 3 | 2 | 0 | 8 | 2 | 9 | 6/94  | Garlich et al.  | 424   | 54       |                               |
|                     | AI | 5               | 4 | 0 | 7 | 5 | 9 | 8 | 4/95  | Olson et al.    | 252   | 186.35   |                               |
|                     | AJ | 5               | 4 | 9 | 0 | 9 | 8 | 3 | 2/96  | Worley et al.   | 424   | 405      |                               |
|                     | AK | 5               | 5 | 6 | 5 | 1 | 0 | 9 | 10/96 | Sweeny          | 210   | 755      |                               |
|                     | AL | 5               | 6 | 0 | 3 | 9 | 4 | 1 | 2/97  | Farina et al.   | 424   | 405      |                               |
|                     | AM | 5               | 6 | 2 | 2 | 7 | 0 | 8 | 4/97  | Richter et al.  | 424   | 405      |                               |
|                     | AN | 5               | 6 | 7 | 0 | 6 | 4 | 6 | 9/97  | Worley et al.   | 548   | 301.1    |                               |
|                     | AO | 5               | 8 | 0 | 8 | 0 | 8 | 9 | 9/98  | Worley et al.   | 548   | 318.5    |                               |
|                     | AP | 5               | 8 | 8 | 9 | 1 | 3 | 0 | 3/99  | Worley et al.   | 526   | 261      |                               |
|                     | AQ | 5               | 9 | 0 | 2 | 8 | 1 | 8 | 5/99  | Worley et al.   | 514   | 376      |                               |

FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT NUMBER |   |   |   |   |   |   | DATE  | COUNTRY        | CLASS | SUBCLASS | TRANSLATION<br>YES NO |  |
|--|----|-----------------|---|---|---|---|---|---|-------|----------------|-------|----------|-----------------------|--|
|  | AR | 0               | 1 | 7 | 7 | 6 | 4 | 5 | 4/86  | EPO            |       |          |                       |  |
|  | AS | 0               | 5 | 5 | 0 | 1 | 3 | 7 | 7/93  | EPO            |       |          |                       |  |
|  | AT | 0               | 5 | 8 | 4 | 9 | 5 | 5 | 3/94  | EPO            |       |          |                       |  |
|  | AU | 1               | 6 | 0 | 0 | 2 | 8 | 9 | 10/81 | United Kingdom |       |          |                       |  |
|  | AV | 2               | 2 | 6 | 7 | 4 | 8 | 7 | 12/93 | United Kingdom |       |          |                       |  |

OTHER ENCLOSED DOCUMENTS

|  |    |  |  |
|--|----|--|--|
|  | AW |  |  |
|  | AX |  |  |
|  | AY |  |  |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

|                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                |  |  |  |                 |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--------------------------------|--|--|--|-----------------|--|--|--|
| FORM PTO-1449 (Modified)<br>LIST OF PATENTS AND PUBLICATIONS FOR<br>APPLICANT'S INFORMATION DISCLOSURE<br>STATEMENT<br>(Use several sheets if necessary)<br>(Page 2 of 3) |  |  |  |  |  |  |  |  |  | ATTY. DOCKET NO.: SU-7222-B    |  |  |  | SERIAL NO.: --- |  |  |  |
|                                                                                                                                                                           |  |  |  |  |  |  |  |  |  | APPLICANT: JONATHAN N. HOWARTH |  |  |  |                 |  |  |  |
|                                                                                                                                                                           |  |  |  |  |  |  |  |  |  | FILING DATE: HERewith          |  |  |  | GROUP:          |  |  |  |

| REFERENCE DESIGNATION |    |                 |   |   |   |   |   |   |       | U. S. PATENT DOCUMENTS |      |        |          |                               |  |  |  |  |  |
|-----------------------|----|-----------------|---|---|---|---|---|---|-------|------------------------|------|--------|----------|-------------------------------|--|--|--|--|--|
| EXAMINER<br>INITIAL   |    | DOCUMENT NUMBER |   |   |   |   |   |   |       | DATE                   | NAME | CLASS  | SUBCLASS | FILING DATE<br>IF APPROPRIATE |  |  |  |  |  |
|                       | BB | 5               | 9 | 7 | 2 | 8 | 6 | 4 | 10/99 | Counts                 | 510  | 192    |          |                               |  |  |  |  |  |
|                       | BC | 6               | 0 | 0 | 7 | 7 | 3 | 5 | 12/99 | Creed                  | 252  | 186.25 |          |                               |  |  |  |  |  |
|                       | BD | 6               | 0 | 6 | 8 | 8 | 6 | 1 | 5/00  | Moore, Jr. et al.      | 424  | 703    |          |                               |  |  |  |  |  |
|                       | BE | 6               | 0 | 8 | 3 | 5 | 0 | 0 | 7/00  | Wooley et al.          | 424  | 93.48  |          |                               |  |  |  |  |  |

| FOREIGN PATENT DOCUMENTS |    |                 |   |   |   |   |   |   |       |      |         |       |          |                       |  |
|--------------------------|----|-----------------|---|---|---|---|---|---|-------|------|---------|-------|----------|-----------------------|--|
|                          |    | DOCUMENT NUMBER |   |   |   |   |   |   |       | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION<br>YES NO |  |
|                          | BF | 8               | 9 | 1 | 0 | 6 | 9 | 6 | 11/89 | WIPO |         |       |          |                       |  |
|                          | BG | 9               | 7 | 2 | 0 | 5 | 4 | 6 | 6/97  | WIPO |         |       |          |                       |  |
|                          | BH | 9               | 7 | 2 | 0 | 9 | 0 | 9 | 6/97  | WIPO |         |       |          |                       |  |
|                          | BI | 9               | 7 | 4 | 3 | 3 | 9 | 2 | 11/97 | WIPO |         |       |          |                       |  |
|                          | BJ | 9               | 8 | 0 | 4 | 1 | 4 | 3 | 2/98  | WIPO |         |       |          |                       |  |

| OTHER ENCLOSED DOCUMENTS |    |                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |
|--------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|
|                          | BK | Frosti Abstract of Bocharov D.A., "Disinfection of Poultry Processing Plant Objects", Proceedings of the 22 <sup>nd</sup> European meeting of Meat Research Workers, Malmo, August- September, 1 (C6), 4 pp., 1976. Accession No. 78674 Frosti                           |  |  |  |  |  |  |  |  |  |  |  |
|                          | BL | CAPLUS Abstract of Heir, et al., "The Staphylococcus qacH gene product: a new member of the SMR family encoding multidrug resistance", FEMS Microbiol. Lett. (1998), 163(1), ppg 49-56. Accession No. 1998:343309 CAPLUS                                                 |  |  |  |  |  |  |  |  |  |  |  |
|                          | BM | Frosti Abstract of Lemaitre et al., "Plasmid-mediated resistance to antimicrobial agents among listeriae", Journal of Food Protection, 1998, November, 61 (11), ppg 1459-1464. Accession No. 483547 Frosti                                                               |  |  |  |  |  |  |  |  |  |  |  |
|                          | BN | Frosti Abstract of Marriot, N.G., "Meat and poultry sanitation", Essentials of Food Sanitation, published by Chapman & Hall, London, 1997, 188-210. Accession No. 441637 Frosti                                                                                          |  |  |  |  |  |  |  |  |  |  |  |
|                          | BO | Frosti Abstract of Mullerat et al., "Efficacy of Salmide, a sodium chlorite-based oxy-halogen disinfectant, to inactivate bacterial pathogens and extend shelf-life of broiler carcasses", Journal of Food Protection, 1994, 57(7), 596-603. Accession No. 353342 Frosti |  |  |  |  |  |  |  |  |  |  |  |
|                          | BP | CAPLUS Abstract of Sanderson et al., "Case Reports: epidemic eye and upper respiratory irritation in poultry processing plants", Appl. Occup. Environ. Hyg, 1995, 10(1), 43-9. Accession No. 1995:439186 CAPLUS                                                          |  |  |  |  |  |  |  |  |  |  |  |
|                          | BQ | Frosti Abstract of Sheldon, B.W., "New and novel chemical and biological approaches for inhibiting pathogens and spoilage microorganisms associated with muscle food systems", Turkeys, 1996, 44(2), 9-12. Accession No. 410383 Frosti                                   |  |  |  |  |  |  |  |  |  |  |  |
|                          | BR | Frosti Abstract of Smith, G., "Poultry industry looks to chlorine dioxide for pathogen control", Meat Processing, 1996, 35(10), 47. Accession No. 429057 Frosti                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |
|                          | BS | Frosti Abstract of Sundheim, G., et al., "Resistance of meat associated staphylococci to a quaternary ammonium compound", Food Microbiology, 1992, 9(2), 161-7. Accession No. 291734 Frosti                                                                              |  |  |  |  |  |  |  |  |  |  |  |
|                          | BT | Frosti Abstract of "Foodborne Pathogen Control", Poultry International, 1994, (July), 62, author unknown. Accession No. 359896 Frosti                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |

|          |                 |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

|                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                             |  |        |               |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-----------------------------|--|--------|---------------|--|--|
| FORM PTO-1449 (Modified)<br>LIST OF PATENTS AND PUBLICATIONS FOR<br>APPLICANT'S INFORMATION DISCLOSURE<br>STATEMENT<br>(Use several sheets if necessary)<br>(Page 3 of 3) |  |  |  |  |  |  |  |  |  | ATTY. DOCKET NO.: SU-7222-B |  |        | SERIAL NO.: — |  |  |
| APPLICANT: JONATHAN N. HOWARTH                                                                                                                                            |  |  |  |  |  |  |  |  |  |                             |  |        |               |  |  |
| FILING DATE: HEREWITH                                                                                                                                                     |  |  |  |  |  |  |  |  |  |                             |  | GROUP: |               |  |  |

| REFERENCE DESIGNATION |    |                 |   |   |   |   |   |   |       | U. S. PATENT DOCUMENTS |      |       |          |                               |  |
|-----------------------|----|-----------------|---|---|---|---|---|---|-------|------------------------|------|-------|----------|-------------------------------|--|
| EXAMINER<br>INITIAL   |    | DOCUMENT NUMBER |   |   |   |   |   |   |       | DATE                   | NAME | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |  |
|                       | CB | 6               | 1 | 7 | 2 | 0 | 4 | 0 | 1/01  | Naidu                  | 514  | 6     |          |                               |  |
|                       | CC | 6               | 2 | 9 | 9 | 9 | 0 | 9 | 10/01 | Moore, Jr. et al.      | 424  | 703   |          |                               |  |
|                       | CD | 6               | 3 | 0 | 6 | 4 | 4 | 1 | 10/01 | Moore, Jr. et al.      | 424  | 703   |          |                               |  |
|                       | CE | 6               | 3 | 2 | 2 | 8 | 2 | 2 | 11/01 | Moore, Jr. et al.      | 424  | 703   |          |                               |  |

| FOREIGN PATENT DOCUMENTS |    |                 |  |  |  |  |  |  |  |      |         |       |          |                            |  |
|--------------------------|----|-----------------|--|--|--|--|--|--|--|------|---------|-------|----------|----------------------------|--|
|                          |    | DOCUMENT NUMBER |  |  |  |  |  |  |  | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION<br>YES      NO |  |
|                          | CF |                 |  |  |  |  |  |  |  |      |         |       |          |                            |  |
|                          | CG |                 |  |  |  |  |  |  |  |      |         |       |          |                            |  |
|                          | CH |                 |  |  |  |  |  |  |  |      |         |       |          |                            |  |
|                          | CI |                 |  |  |  |  |  |  |  |      |         |       |          |                            |  |

| OTHER ENCLOSED DOCUMENTS |    |                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                          | CJ | Carpentier et al., "Biofilms and their consequences, with particular reference to hygiene in the food industry", Journal of Applied Bacteriology, 1993,<br>Vol. 75, ppg 499-511. |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                          | CK | Mora et al., "Properties of a New Chloramine Disinfectant and Detoxicant", Poultry Science, 1982, vol 61, ppg 1968-1971.                                                         |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                          | CL | Mantilla-Sandholm et al., "Biofilm Formation in the Industry: A Review", Food Reviews International, 8(4), 1992, ppg 573-603.                                                    |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                          | CM | Smith et al., "Potential Uses of Combined Halogen Disinfectants in Poultry Processing", Poultry Science, 1990, vol. 69, ppg 1590-1594.                                           |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                          | CN | Williams, et al., "Research Note: Combined Halogen Disinfectants in Poultry Processing", Poultry Science, 1990, vol 69, ppg 2248-2251.                                           |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                          | CO | Worley, et al., "The Stabilities of New N-halamine Water Disinfectants", Wat. Res. Vol. 21(8), ppg 983-988, 1987.                                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                          | CP |                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                          | CQ |                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                          | CR |                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|          |                 |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.